

ABSTRACT

A system for evaluating vocal performance based on an entry device that provides a sequence of blocks of samples from the singer's voice signal to be evaluated, and a sequence of blocks of samples from a reference voice signal, and on the measurement of the similarity between the signals supplied by the entry device, through the processing of multiple aspects, and which foresees a device for the delivery of information to be used for the generation of visual and auditory feedback for didactic purposes in relation to the partial results of said comparisons, and visual and auditory feedback for didactic purposes in relation to the final result of said evaluation of similarity, as well as a summary of the evaluation of similarity of each one of said aspects; and a method of adaptation that allows the addition, removal, or modification of the aspects of said set of aspects, which therefore makes the device modular, allowing the adjustment of the level of quality of said evaluations of similarity carried out based on the processing of the singer's voice and the reference voice, so as to adequate said evaluations of similarity to the computational resources available, therefore providing the device with scalar characteristics.